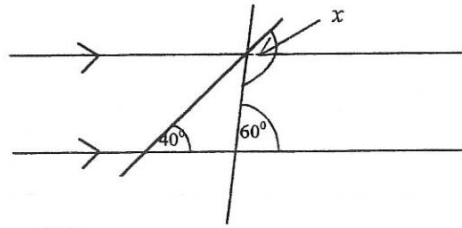


11. Work out the perimeter of a regular octagon of side 3.5m.

12. Find the angle  $x$ .



13. Simplify as far as possible

(a)  $3x + 4y + 7y$

(b)  $5 - 3y - 6y - 2$

(c)  $3x + 2(x + 1)$

(d)  $9 - 2(3x - 1)$

(e)  $(x - 3)(x - 2)$

(f)  $(2a - 3b)^2$

14. Solve the following equations:

(a)  $\frac{x}{3} = 10$

(b)  $5x = 2$

(c)  $4 - 3x = 2$

(d)  $\frac{2x}{3} = 10$

(e)  $x + 3(x + 1) = 2x$

(f)  $5 + 2(x + 5) = 10 + 2(4 - 5x)$

15. When a number is doubled and then added to 24, the result is 49. Find the number.

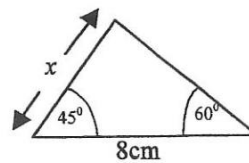
16. Draw any angle and bisect it, using a pair of compasses.

17. Draw a line of any chosen length and bisect it, using a pair of compasses.

18. Construct a triangle with sides 3cm, 4cm and 5cm.

19. Construct the following triangle...

And measure the length  $x$ .



20. Write down (a) the 6<sup>th</sup> term, (b) the  $n$ <sup>th</sup> term  
of the sequence 2, 4, 8, 16, 32, -----